

Safety Data Sheet

in accordance with 1907/2006/EC, Article 31

Marldon MXS 160 - Epoxy Primer for Porous Substrates - Part A



Version 2

Revision date: 23rd August 2017

Replaces: version dated 15th February 2017.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY UNDERTAKING

· 1.1 Product identifier:

Trade Name: Marldon MXS 160 Epoxy Primer for Porous Substrates - Part A

· 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

· **Application of the substance / the mixture** Primer / Subcoating, Epoxy resin

· 1.3 Details of the supplier of the safety data sheet

SUPPLIER: Havwoods Accessories Ltd
172 Brierley Road
Walton Summit Centre
Preston
PR5 8AH
Website: www.marldonuk.com Email: info@marldonuk.com

· 1.4 Emergency telephone number

7am - 5pm Monday to Friday. At all other times please contact your national poisoning centre.
Phone: 01772 696600

2. HAZARDS IDENTIFICATION*

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

Skin Irrit. 2	H315	Causes skin irritation
Eye Irrit. 2	H319	Causes serious eye irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
Muta. 2	H341	Suspected of causing genetic defects.
Aquatic Chronic 2	H411	Toxic to aquatic life with long lasting effects.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

· Hazard pictogram



GHS07 GHS08 GHS09

· **Signal word** Warning

· **Contains:**

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight_n ≤ 700) 2,3-epoxypropyl neodecanoate

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• **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H341 Suspected of causing genetic defects.

H411 Toxic to aquatic life with long lasting effects.

• **Precautionary statements**

P201 Obtain special instructions before use.

P273 Avoid release to the environment.

P280 Wear protective gloves / eye protection.

P308+P313 IF exposed or concerned: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P405 Store locked up.

• **Supplemental information:**

EUH205 Contains epoxy constituents. May produce an allergic reaction.

• **2.3 Other hazards**

• **Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS*

• **3.2 Mixtures**

• **Description:** Mixture of substances listed below with non-hazardous additions

• **Dangerous components:**

CAS: 25068-38-6 NLP: 500-033-5 Reg.nr.: 01-2119456619-26-xxxx	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight <700) Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	30- <50%
CAS: 26761-45-5 EINECS: 247-979-2	2,3-epoxypropyl neodecanoate Muta. 2, H341; Aquatic Chronic 2, H411; Skin Sens. 1, H317	1- <5%
CAS: 9016-45-9 NLP: 500-024-6	Polyethylene Glycol Nonylphenyl Ether Eye Dam. 1, H318; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315	1- <5%

• **SVHC**

9016-45-9	Polyethylene Glycol Nonylphenyl Ether
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• **Additional information:** For the wording of the listed hazard phrases refer to section 16.

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4. FIRST AID MEASURES

- 4.1 Description of first aid measures

- General information:

Take affected persons out of danger area and lay down.
Immediately remove any clothing soiled by the product.

- After inhalation:

Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.

- After skin contact:

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

- After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** Do not induce vomiting; call for medical help immediately.

- 4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.
Irritating to eyes and skin.

- **Information for doctor:** No further relevant information available.

- **Hazards** No further relevant information available.

- 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media

- Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire extinguishing methods suitable to surrounding conditions.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet

- 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO)

Carbon dioxide (CO₂)

- 5.3 Advice for firefighters

- **Protective equipment:** Wear self-contained respiratory protective device.

- Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

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6. ACCIDENTAL RELEASE MEASURES

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Avoid contact with the eyes and skin.

Ensure adequate ventilation.

· 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE*

· 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Avoid contact with the eyes and skin.

Pregnant women should strictly avoid inhalation or skin contact.

The usual precautionary measures are to be adhered to when handling chemicals.

· **Information about fire - and explosion protection:** The product is not flammable.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles:

Store only in unopened original receptacles.

· Information about storage in one common storage facility:

Protect from heat and direct sunlight.

Store away from foodstuffs.

Do not store together with oxidising and acidic materials.

Store away from reducing agents.

· Further information about storage conditions:

Protect from frost.

Store in cool, dry conditions in well sealed receptacles.

Store receptacle in a well ventilated area.

Keep indoors.

Storage temperature: +10 °C to +35 °C

· **7.3 Specific end use(s)** No further relevant information available.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION*

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Pregnant women should strictly avoid inhalation or skin contact.

The usual precautionary measures are to be adhered to when handling chemicals.

· **Respiratory protection:** Not necessary if room is well-ventilated.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves**

Nitrile rubber, NBR

PVA gloves

Neoprene gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

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9. PHYSICAL AND CHEMICAL PROPERTIES

· 9.1 Information on basic physical and chemical properties

· General Information

Appearance

Form	Liquid
Colour	White
Odour	Characteristic
Initial boiling point/boiling range	100°C
Flash point	>100°C
Explosive properties	Product does not present an explosion hazard
Density at 20°C	1.03 g/cm ³
Solubility in / Miscibility with water	Fully miscible
Viscosity:	
Dynamic at 20 °C:	2400 mPas

· 9.2 Other information

No further relevant information available.

10. STABILITY AND REACTIVITY

· 10.1 Reactivity Stable

· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· **10.3 Possibility of hazardous reactions** Reacts with acids, alkalis and oxidising agents.

· **10.4 Conditions to avoid** No further relevant information available.

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

11. TOXICOLOGICAL INFORMATION*

· 11.1 Information on toxicological effects

· **Acute toxicity** Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700)

Oral	LD50	11400 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rabbit)

26761-45-5 2,3-epoxypropyl neodecanoate

Oral	LD50	>9600 mg/kg (rat)
Dermal	LD50	>3800 mg/kg (rabbit)
Inhalative	LC50/4 h	5 mg/L (rat)

· **Primary irritant effect:**

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- **Skin corrosion/irritation**

Causes skin irritation.

- **Serious eye damage/irritation**

Causes serious eye irritation.

- **Respiratory or skin sensitisation**

May cause an allergic skin reaction.

- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

- **Germ cell mutagenicity** Suspected of causing genetic defects.

- **Carcinogenicity** Based on available data, the classification criteria are not met.

- **Reproductive toxicity** Based on available data, the classification criteria are not met.

- **STOT-single exposure** Based on available data, the classification criteria are not met.

- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

- **Aspiration hazard** Based on available data, the classification criteria are not met.

12. ECOLOGICAL INFORMATION*

- **12.1 Toxicity**

- **Aquatic toxicity:** Toxic to aquatic life with long lasting effects.

- **12.2 Persistence and degradability** The product is not easily, but potentially biodegradable.

- **12.3 Bioaccumulative potential** May be accumulated in organism

- **12.4 Mobility in soil** No further relevant information available.

- **Ecotoxicological effects:**

- **Remark:** Toxic for fish

- **Additional ecological information:**

- **General notes:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

- **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

- **12.6 Other adverse effects** No further relevant information available.

13. DISPOSAL CONSIDERATIONS*

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Disposal must be made according to official regulations.

Cured product can be deposited together with domestic waste. Observe the specific related

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regulations of local authorities.

· **Waste disposal key:** UK (WM3) : HP4 HP11 HP13 HP14

· **European Waste catalogue**

08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other hazardous substances
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· **Uncleaned packaging:**



· **Recommendation:**

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

Non contaminated packagings may be recycled.

14. TRANSPORT INFORMATION*

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR, IMDG, IATA 	UN3082
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG · IATA 	<p>3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol A epoxy resin (number average MW \leq700))</p> <p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol A epoxy resin (number average MW \leq700)), MARINE POLLUTANT</p> <p>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (bisphenol A epoxy resin (number average MW \leq700))</p>
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR <div style="text-align: center; margin: 10px 0;">  </div> <ul style="list-style-type: none"> · Class · Label 	<p>9 (M6) Miscellaneous dangerous substances and articles.</p> <p>9</p>
<ul style="list-style-type: none"> · IMDG, IATA <div style="text-align: center; margin: 10px 0;">  </div> <ul style="list-style-type: none"> · Class · Label 	<p>9 Miscellaneous dangerous substances and articles.</p> <p>9</p>

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<ul style="list-style-type: none">· 14.4 Packing group· ADR, IMDG, IATA	III
<ul style="list-style-type: none">· 14.5 Environmental hazards:· Marine pollutant:· Special marking (ADR):· Special marking (IATA):	Product contains environmentally hazardous substances: bisphenol A epoxy resin (number average MW \leq 700) Yes Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree)
<ul style="list-style-type: none">· 14.6 Special precautions for user· Danger code (Kemler):· EMS Number:· Stowage Category	Warning: Miscellaneous dangerous substances and articles. 90 F-A,S-F A
<ul style="list-style-type: none">· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
<ul style="list-style-type: none">· Transport/Additional information:· ADR· Limited quantities (LQ)· Excepted quantities (EQ)· Transport category· Remarks	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000ml 3 SP375
<ul style="list-style-type: none">· IMDG· Limited quantities (LQ)· Excepted quantities (EQ)	5L Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000ml
<ul style="list-style-type: none">· IATA· Remarks	A197
<ul style="list-style-type: none">· UN "Model Regulation":	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BISPHENOL A EPOXY RESIN (NUMBER AVERAGE MW \leq 700)), 9, III

15. REGULATORY INFORMATION*

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

"CLP" Regulation (EC) No 1272/2008 (OJ L 353, 31.12.2008, p.1).

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"REACH" Regulation (EC) No 1907/2006 (OJ L 396, 30.12.2006, p.1, with subsequent amendments).

COMMISSION REGULATION (EU) 2015/830 of 28 May 2015.

HSE EH40/2005 Workplace Exposure Limits (as amended)

· **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 46b

· **National regulations:**

· **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

· **Other regulations, limitations and prohibitive regulations**

· **Substances of very high concern (SVHC) according to REACH, Article 57**

9016-45-9 Polyethylene Glycol Nonylphenyl Ether

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16. OTHER INFORMATION*

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H341 Suspected of causing genetic defects.

H411 Toxic to aquatic life with long lasting effects.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Muta. 2: Germ cell mutagenicity – Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

* Data compared to the previous version altered.